

CLAIMS

1. A telecommunications system, comprising:
- a digital subscriber line;
 - a plurality of analog telephone terminals;
 - at least one digital data terminal;
- 5 a power supply having a high voltage alternating current input and a low voltage direct current output;
- a telecommunications customer service terminal having a signal-input terminal for connection to said digital subscriber line, having a plurality of analog telephone output terminals for connection to individual ones of said
- 10 plurality of analog telephone terminals, having at least one digital data output terminal for connection to said at least one digital data terminal, and having a low voltage direct current power input terminal for connection to said a low voltage direct current output of said power supply;
- said telecommunications customer service terminal being constructed
- 15 in the absence of an on/off switch, such that said telecommunications customer service terminal remains continuously active so long as a low voltage direct current is continuously supplied to said low voltage direct current power-input terminal;
- a length of telephone wire connecting said signal-input terminal of said
- 20 telecommunications customer service terminal to said digital subscriber line;
- a plurality of lengths of telephone wire connecting individual ones of said analog telephone output terminals of said telecommunications customer service terminal to individual ones of said plurality of analog telephone terminals;
- 25 at least one length of telephone wire connecting said at least one digital data output terminal of said telecommunications customer service terminal to said at least one digital data terminal; and

a length of telephone wire connecting said low voltage direct current power terminal of said telecommunications customer service terminal to said
30 low voltage direct current output of said power supply.

2. A telecommunications system, comprising:
 - a power supply having a high voltage alternating current input and a low voltage direct current output;
 - a telecommunications customer service terminal having a signal input
- 5 terminal connected to a digital subscriber line, having a plurality of analog telephone output terminals connected to individual ones of a plurality of analog telephone terminals, having at least one digital data output terminal connected to at least one digital data terminal, and having a low voltage direct current input terminal for connection to said low voltage direct current output of said power supply; and

10 a length of AWG telephone wire connecting said low voltage direct current input terminal of said telecommunications customer service terminal to said low voltage direct current output of said power supply.

3. The telecommunications system of claim 2 wherein said telecommunications customer service terminal is constructed in the absence of an on/off switch, such that said telecommunications customer service terminal remains continuously active so long as a low voltage direct current is
5 continuously supplied to said low voltage direct current power input terminal, and wherein said power supply includes:

10 a manually-removable battery pack that is operable to supply a low voltage direct current to said low voltage direct current input terminal of said telecommunications customer service terminal upon failure of said high voltage alternating current input to said power supply, said battery pack being replaceable with a different battery pack when said battery pack becomes discharged or relatively discharged in the presence of a failure of said high voltage alternating current input to said power supply.

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4. A method of constructing a telecommunications system,
comprising;

- providing a digital subscriber line;
- providing a plurality of analog telephone terminals;
- 5 providing at least one digital data terminal;
- providing a power supply having a high voltage alternating current input and a low voltage direct current output;
- providing a telecommunications customer service terminal having a signal input terminal for connection to said digital subscriber line, having a 10 plurality of analog telephone output terminals for connection to individual ones of said plurality of analog telephone terminals, having at least one digital data output terminal for connection to said at least one digital data terminal, and having a low voltage direct current power input terminal for connection to said a low voltage direct current output of said power supply;
- 15 said telecommunications customer service terminal being constructed in the absence of an on/off switch, such that said telecommunications customer service terminal remains continuously active so long as a low voltage direct current is continuously supplied to said low voltage direct current power input terminal;
- 20 providing a length of telephone wire connecting said signal input terminal of said telecommunications customer service terminal to said digital subscriber line;
- providing a plurality of lengths of telephone wire connecting individual ones of said analog telephone output terminals of said 25 telecommunications customer service terminal to individual ones of said plurality of analog telephone terminals;
- providing at least one length of telephone wire connecting said at least one digital data output terminal of said telecommunications customer service terminal to said at least one digital data terminal; and

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30 providing a length of telephone wire connecting said low voltage direct current power terminal of said telecommunications customer service terminal to said low voltage direct current output of said power supply.

5. The method of claim 4 including:

providing a manually removable battery pack within said power supply;

5 said battery pack being operable to supply a low voltage direct current to said low voltage direct current input terminal of said telecommunications customer service terminal upon failure of said high voltage alternating current input to said power supply, said battery pack being replaceable with a different battery pack when said battery pack becomes discharged or relatively discharged in the presence of a failure of said high voltage
10 alternating current input to said power supply.